NCBI Blast 2 Sequences results
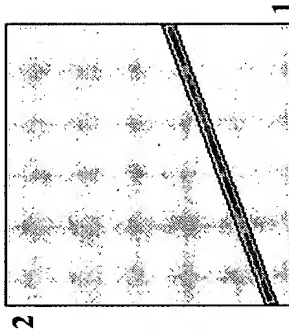
PubMed   Entrez   BLAST   OMIM   Taxonomy   Structure

BLAST 2 SEQUENCES RESULTS VERSION BLASTN 2.2.10 [Oct-19-2004]

Match: 1   Mismatch: -2   gap open: 5   gap extension: 2

x_dropoff: 50   expect: 10.000   wordsize: 11   Filter ☑   Align

Sequence 1 lcl|seq_1 **Length** 2112 (1 .. 2112)

Sequence 2 lcl|seq_2 **Length** 5859 (1 .. 5859)

NOTE:The statistics (bitscore and expect value) is calculated based on the size of nr database

NOTE:If protein translation is reversed, please repeat the search with reverse strand of the query sequence

```
Score = 4061 bits (2112), Expect = 0.0
Identities = 2112/2112 (100%)
Strand = Plus / Plus


Query: 1    ggcaatgggtcgaaattcatagaatttgtgaggtgcgtagcggctctgacaggggtg  60
            |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct: 402  ggcaatgggtcgaaattcatagaatttgtgaggtgcgtagcggctctgacaggggtg  461

Query: 61   ctgcgcggagatctctggtctcaggtaggcgacaatggagaggtgttagttgcccccctg  120
```

Blast Result

```
Sbjct:  462  ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
             ctgcgcggagatctctgtcctggtctcaggtaggggcgacaatggaggagtgttagttgccccctg  521

Query:  121  tatcgctctctgcgtggcgcattgggtcatcctgccggacatatgatattccgctagag  180
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  522  tatcgctctctgcgtggcgcattgggtcatcctgccggacatatgatattccgctagag  581

Query:  181  gattactgatagtttctgcctgtcgggcttgtcgggcttgtcgggcttgtc  240
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  582  gattactgatagtttctgcctgtcgggcttgtcgggcttgtcgggcttgtc  641

Query:  241  gggcctgtccctcttgtccgcctgtcctcacttttccacaatcaaaaatgggcgaagc  300
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  642  gggcctgtccctcttgtccgcctgtcctcacttttccacaatcaaaaatgggcgaagc  701

Query:  301  ccttcttgttcttcttatagttcatacgaaaattacacataattatcaatagctt  360
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  702  ccttcttgttcttcttatagttcatacgaaaattacacataattatcaatagctt  761

Query:  361  attcgcttaaaaggagtaattgggccgcaaaagggagtaattgggccgcaaaagggagt  420
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  762  attcgcttaaaaggagtaattgggccgcaaaagggagtaattgggccgcaaaagggagt  821

Query:  421  aattgggccgcaaaagggagtaattggccgatatcggttgtttacatggggaggaatcc  480
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  822  aattgggccgcaaaagggagtaattggccgatatcggttgtttacatggggaggaatcc  881

Query:  481  ccttaatcatttctcccatgggaaagacaacacaagtggccgcagaccggcccttcgac  540
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  882  ccttaatcatttctcccatgggaaagacaacacaagtggccgcagaccggcccttcgac  941

Query:  541  cagacaaaaactgtgctccctgccgaggtggcgagagggtctatatgcgcaatccgccc  600
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  942  cagacaaaaactgtgctccctgccgaggtggcgagagggtctatatgcgcaatccgccc  1001
```

Blast Result

```
Query:  601   cgcctgcaggcggctcaagctcatgtgcatttaatgatagccactgcgggcggccgcatggct   660
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1002  cgcctgcaggcggctcaagctcatgtgcatttaatgatagccactgcgggcggccgcatggct   1061

Query:  661   gatgatgtgcgccatgaaatgcggctggccgacattcgcgcaatcgacggcatgaaaaac   720
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1062  gatgatgtgcgccatgaaatgcggctggccgacattcgcgcaatcgacggcatgaaaaac   1121

Query:  721   catgaccgtgagagcctgaccccgctgttcgaggagctagccgctgcggtgttgaccat   780
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1122  catgaccgtgagagcctgaccccgctgttcgaggagctagccgctgcggtgttgaccat   1181

Query:  781   gatgaccctgcaaagatgatcgtgacagtcggcggcttggtcgatgaggcgcgaatagac   840
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1182  gatgaccctgcaaagatgatcgtgacagtcggcggcttggtcgatgaggcgcgaatagac   1241

Query:  841   taccgccaggaggcaagcggcgaactcctagtgacgtggacttccggagtacattccgt   900
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1242  taccgccaggaggcaagcggcgaactcctagtgacgtggacttccggagtacattccgt   1301

Query:  901   cgtatggcggcggagtcgaaccactgggccattctcgaccgtcaaacggtattccatctc   960
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1302  cgtatggcggcggagtcgaaccactgggccattctcgaccgtcaaacggtattccatctc   1361

Query:  961   ggtagtaagtattccgtgctgtgttccagcacgtctctagtctcgcacaatcttgatcgg   1020
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1362  ggtagtaagtattccgtgctgtgttccagcacgtctctagtctcgcacaatcttgatcgg   1421

Query:  1021  atgagcgcgaaaacctttacggtccccgagttgcgggcgctccttggagtgcccgaggga   1080
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1422  atgagcgcgaaaacctttacggtccccgagttgcgggcgctccttggagtgcccgaggga   1481

Query:  1081  aagatggttcgttggaacgacgttaacagattgctctcaaacctgcactggatgagatc   1140
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1482  aagatggttcgttggaacgacgttaacagattgctctcaaacctgcactggatgagatc   1541
```

Blast Result

```
Query:  1141  aaccatttatcgcgtctgacattgacggcaaagccgaccaagattggccgtagcgtggca  1200
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1542  aaccatttatcgcgtctgacattgacggcaaagccgaccaagattggccgtagcgtggca  1601

Query:  1201  agtgtgactataggctgggaagtgaaagacgacccaaccgtcgccaggcgcgagctggcg  1260
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1602  agtgtgactataggctgggaagtgaaagacgacccaaccgtcgccaggcgcgagctggcg  1661

Query:  1261  ggttccaaggtcggtcgagatgctcgtcgcagagggggcagcggaaacgatagccccctcc  1320
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1662  ggttccaaggtcggtcgagatgctcgtcgcagagggggcagcggaaacgatagccccctcc  1721

Query:  1321  ttcccagaagcgggcgggatcacctacagtccacgttggctggagctgaaacgctctgct  1380
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1722  ttcccagaagcgggcgggatcacctacagtccacgttggctggagctgaaacgctctgct  1781

Query:  1381  ggcagcaacaaggacaacgatctgatcgcctcagacttccggcgtttctgtcgggagaga  1440
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1782  ggcagcaacaaggacaacgatctgatcgcctcagacttccggcgtttctgtcgggagaga  1841

Query:  1441  ggcgtgcgtctgacgctgcaaacatcgaaaactgtttttagatttctgcgcaaggta  1500
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1842  ggcgtgcgtctgacgctgcaaacatcgaaaactgtttttagatttctgcgcaaggta  1901

Query:  1501  gggaaggtttgagtttgaggtatttcaccgcaatagtgttaaatgactttcgtgaaacg  1560
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1902  gggaaggtttgagtttgaggtatttcaccgcaatagtgttaaatgactttcgtgaaacg  1961

Query:  1561  atgtgcaatatagcggtaagactatgaaatacacggctggacaggctgcaaaagcaacgg  1620
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  1962  atgtgcaatatagcggtaagactatgaaatacacggctggacaggctgcaaaagcaacgg  2021

Query:  1621  gtgtggcgaccgcaaccatcactcgggcgctaaaaagcggtaaaatttccggtaaaaaag  1680
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  2022  gtgtggcgaccgcaaccatcactcgggcgctaaaaagcggtaaaatttccggtaaaaaag  2081
```

12/29/2004

Blast Result

```
Query:  1681  atgaatctggggcatgggttatagatcctgcgagaattgcacagagtgttcctcccattt  1740
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  2082  atgaatctggggcatgggttatagatcctgcgagaattgcacagagtgttcctcccattt  2141

Query:  1741  caaagaaatacaccgaaacacctaacacgcaagtatatggtaagcgtgatgaaacacatg  1800
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  2142  caaagaaatacaccgaaacacctaacacgcaagtatatggtaagcgtgatgaaacacatg  2201

Query:  1801  aaatgacctcagaaatcagcgcattagagcgtgaagttcggactttacgcgatgctttat  1860
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  2202  aaatgacctcagaaatcagcgcattagagcgtgaagttcggactttacgcgatgctttat  2261

Query:  1861  ctgatgccaggggaggatcgcgacaaatggcgcgacatggccgagcgtcttcaatttcat  1920
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  2262  ctgatgccaggggaggatcgcgacaaatggcgcgacatggccgagcgtcttcaatttcat  2321

Query:  1921  caccgatgagagaggaagaccgcccccctcaaaaacaaagatggtggaagatattctgat  1980
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  2322  caccgatgagagaggaagaccgcccccctcaaaaacaaagatggtggaagatattctgat  2381

Query:  1981  cctgggcttcaggagccttgcctttactgcggaaaaacgcgatattgaggcacaggccc  2040
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  2382  cctgggcttcaggagccttgcctttactgcggaaaaacgcgatattgaggcacaggccc  2441

Query:  2041  gcactttagaggcggaagcctataacgagtaccaaaacactagaagccagattgaggaaa  2100
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct:  2442  gcactttagaggcggaagcctataacgagtaccaaaacactagaagccagattgaggaaa  2501

Query:  2101  atagggaacgtg  2112
              ||||||||||||
Sbjct:  2502  atagggaacgtg  2513
```

CPU time: 0.02 user secs.   0.02 sys. secs   0.04 total secs.

Lambda   K   H

```
        1.33    0.621    1.12

Gapped
Lambda    K       H
        1.33    0.621    1.12

Matrix: blastn matrix:1 -2
Gap Penalties: Existence: 5, Extension: 2
Number of Sequences: 1
Number of Hits to DB: 704
Number of extensions: 18
Number of successful extensions: 13
Number of sequences better than 10.0: 1
Number of HSP's better than 10.0 without gapping: 1
Number of HSP's gapped: 1
Number of HSP's successfully gapped: 1
Number of extra gapped extensions for HSPs above 10.0: 0
Length of query: 2112
Length of database: 12,527,565,053
Length adjustment: 27
Effective length of query: 2085
Effective length of database: 12,527,565,026
Effective search space: 26119973079210
Effective search space used: 26119973079210
Neighboring words threshold: 0
Window for multiple hits: 0
X1: 11 (21.1 bits)
X2: 26 (50.0 bits)
X3: 26 (50.0 bits)
S1: 12 (23.8 bits)
S2: 22 (43.0 bits)
```